

Supplementary material

1 Gel of Nb₂O₅ made in acid and base conditions

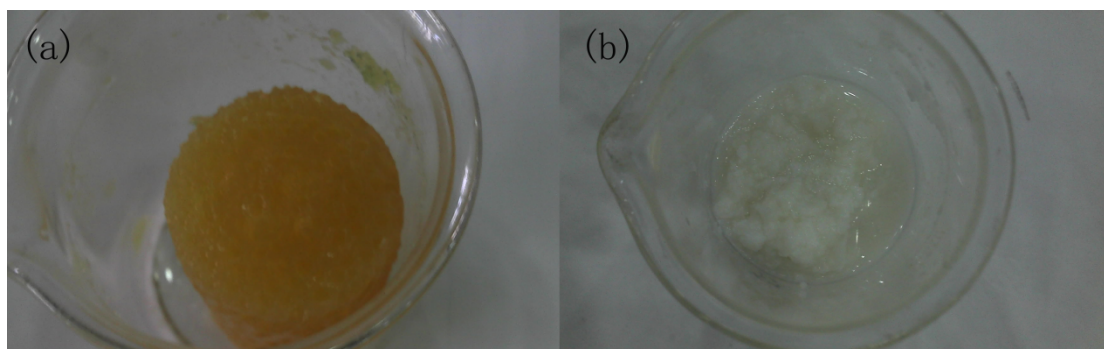


Figure SI-1 (a) PEI-Nb₂O₅ gel was made in acid condition, (b) PEI-Nb₂O₅ gel was made in base condition

2 ESI-MS spectroscopy (using sodium ion source) of five aniline compounds

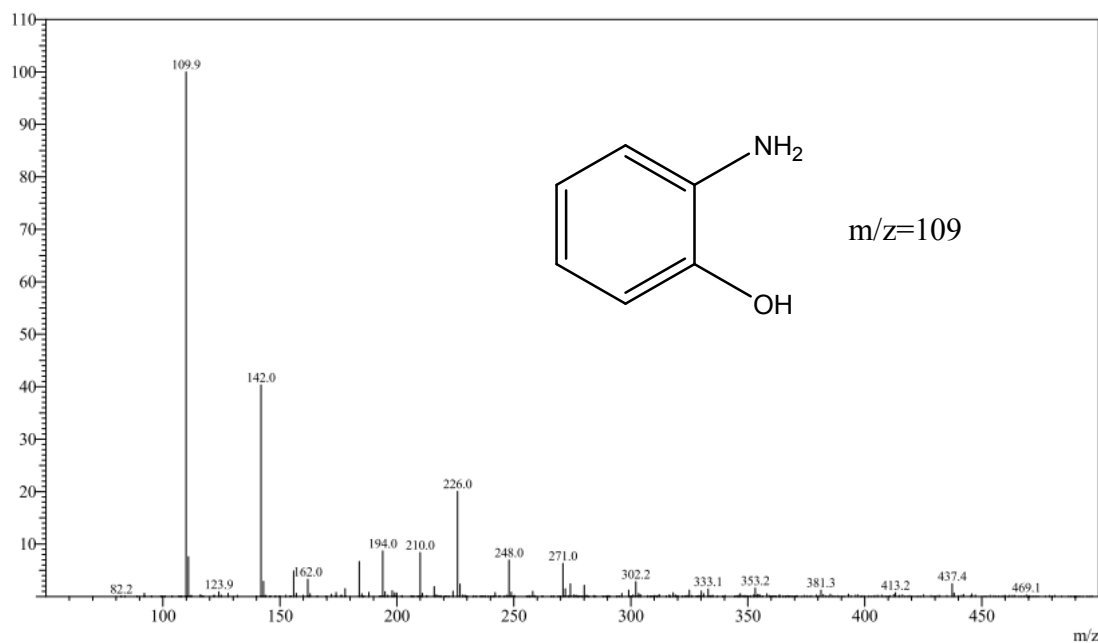


Fig.2 Final product 2-aminophenol from reduction reaction of 2-nitrophenol

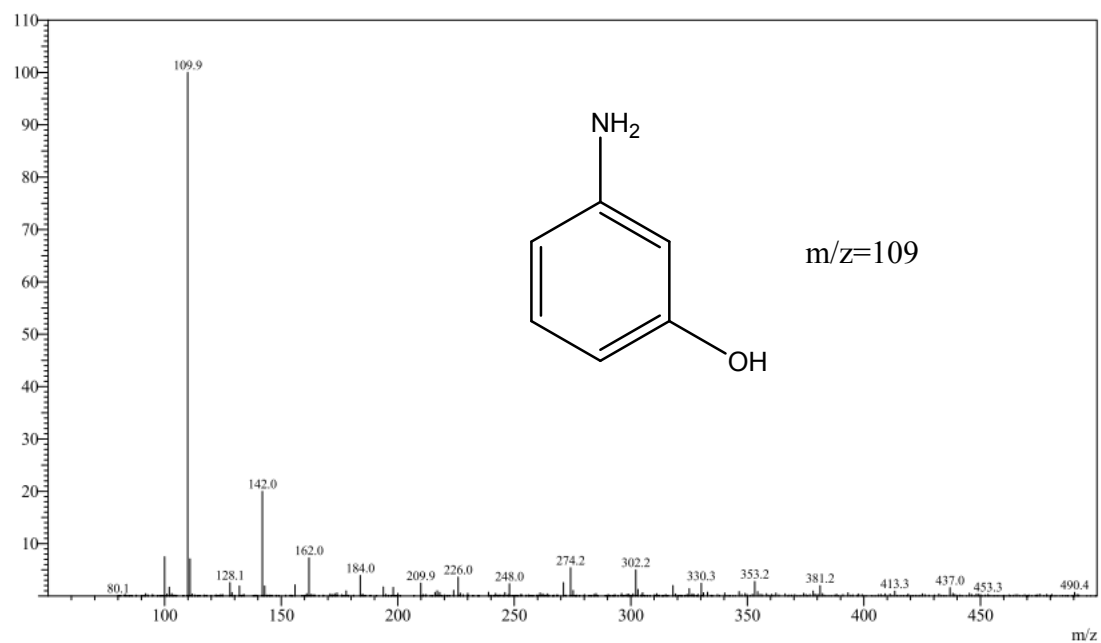


Fig.3 Final product 3-aminophenol from reduction of 3-nitrophenol

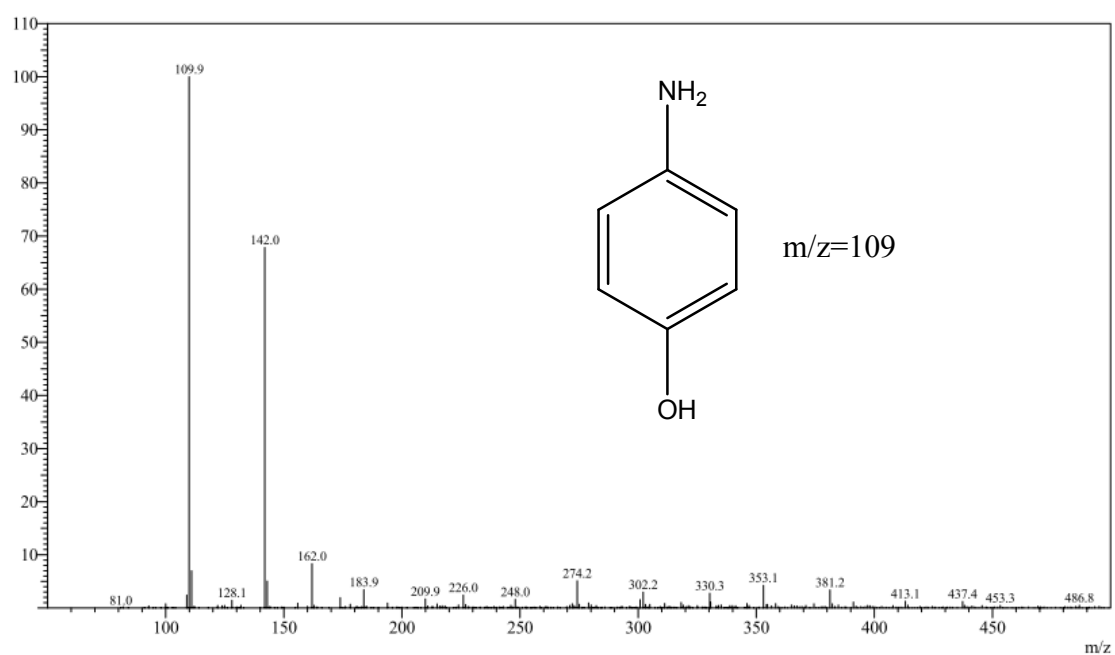


Fig.4 4-aminophenol from reduction of 4-nitrophenol

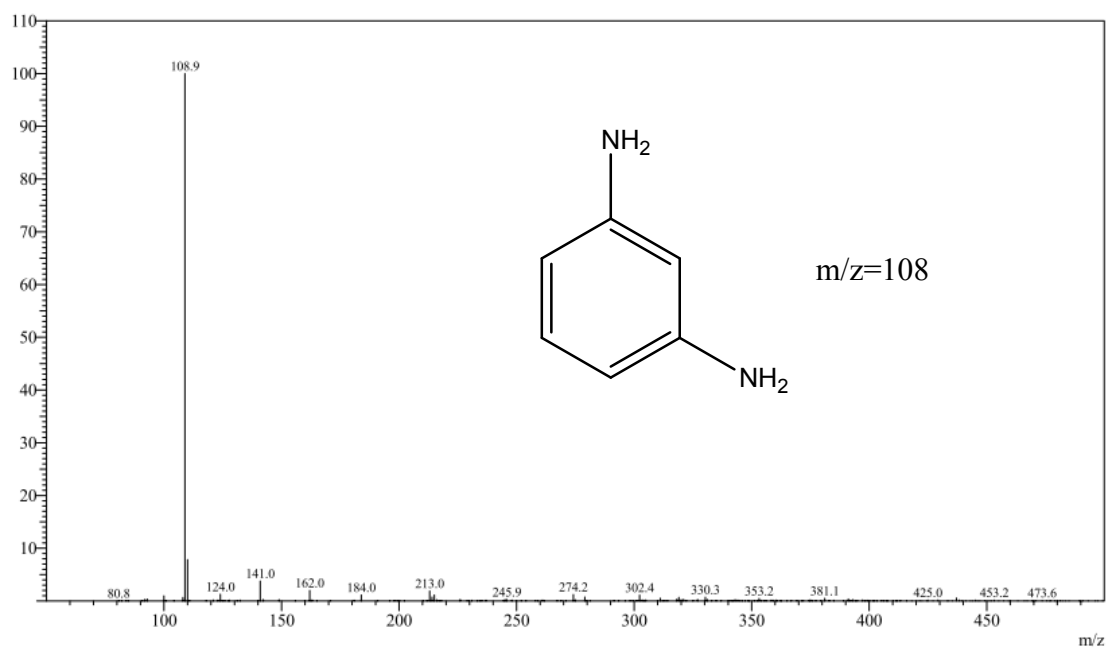


Fig.5 3-aminoaniline from reduction of 3-nitroaniline

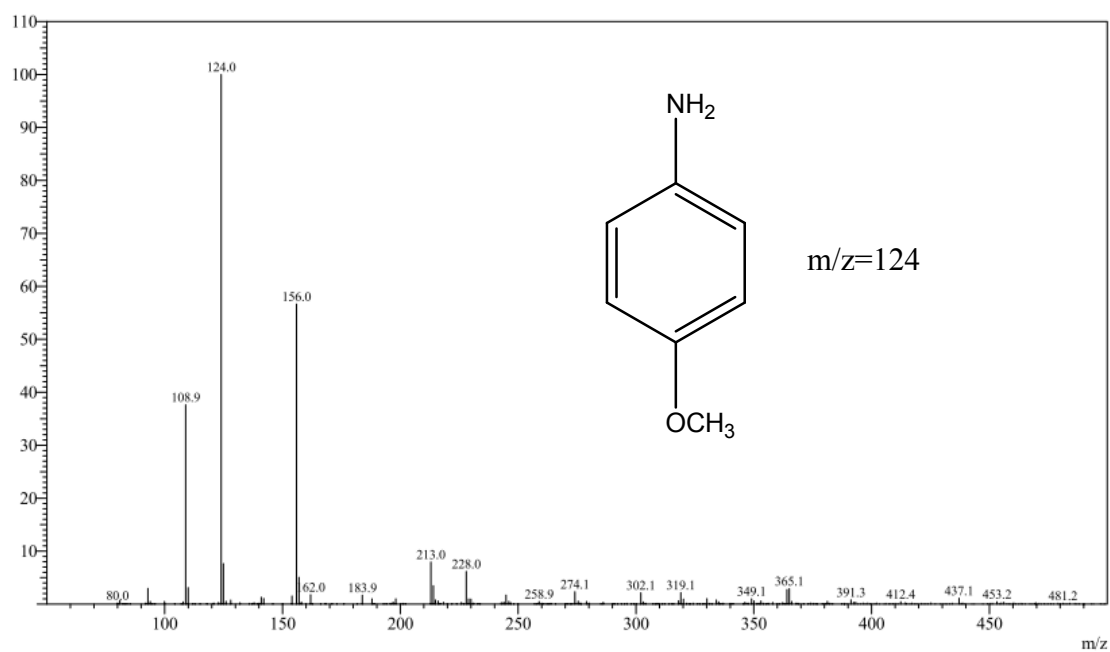


Fig.6 4-aminoanisole from reduction of 4-nitroanisole